

CLAIMS

No claims are amended, added, or canceled. A copy of all pending claims and a status of the claims is provided below.

Claims 1-10 (Canceled)

11. (previously presented) A device for the manufacture of workpieces having defined profiling, the device comprising:

an axially moveable workpiece holder;

at least one forming tool;

a first drive structured and arranged to intermittently rotate the workpiece holder about a longitudinal axis of a workpiece held in the workpiece holder;

a second drive, separate from the first drive, structured and arranged to rotate the at least one forming tool to act periodically on the workpiece; and

an electronic control operably connected to the first drive and the second drive, which controls intermittent rotational movement of the workpiece holder based upon the second drive,

wherein the at least one forming tool comprises profiled wheels or rollers that are driven to continually rotate along a circular orbit that is oriented parallel or obliquely to the longitudinal axis of the workpiece.

12. (previously presented) The device according to claim 11, wherein the circular orbit is adjustably oriented.

13. (previously presented) The device according to claim 11, further comprising a headstock supporting the workpiece holder.

14. (previously presented) The device according to claim 13, wherein the headstock is guided and moveable in parallel to the longitudinal axis and connected to the first drive by a coupling that is elastic in an axial direction.

15. (previously presented) The device according to claim 14, further comprising a secondary headstock that is guided and moveable parallel to the longitudinal axis, and in which the first drive is positioned.

16. (previously presented) The device according to claim 11, further comprising a third drive structured to axially advance the workpiece holder along the longitudinal axis, wherein the first, second and third drives are electronically coupled to one another.

17. (previously presented) The device according to claim 16, wherein the first, second and third drives are connected with the electronic control.

18. (previously presented) The device according to claim 11, wherein the workpiece is a cylindrical solid or hollow body.

19. (previously presented) The device according to claim 11, wherein one end of the workpiece holder is comprised of a cylindrical mandrel on which the workpiece is mounted.

20. (previously presented) The device according to claim 19, wherein the cylindrical mandrel has a profiled surface.

21. (previously presented) The device according to claim 20, wherein the cylindrical mandrel has a longitudinally profiled surface.

22. (previously presented) The device according to claim 11, wherein the device is structured and arranged to manufacture helical toothings on cylindrical workpieces.

23. (previously presented) A method for manufacturing workpieces having defined profiling, comprising:

intermittently rotating an axially moveable workpiece holder about a longitudinal axis of a workpiece held in the workpiece holder;

periodically acting on the workpiece with at least one forming tool; and

controlling, with an electronic control, a first drive that causes the intermittent rotating and a second drive that causes movement of the at least one forming tool,

wherein the at least one forming tool comprises profiled wheels or rollers that are driven to continually rotate along a circular orbit that is oriented parallel or obliquely to the longitudinal axis of the workpiece.

24. (previously presented) The method of claim 23, wherein the electronic control controls the first drive based upon the movement of the forming tools.

25. (previously presented) The method of claim 23, wherein the rotating, the acting on, and the controlling generate a predetermined defined profiling geometry on the workpiece.

26. (previously presented) The method of claim 23, wherein the electronic control causes left hand rotation, right hand rotation, or standstill of the workpiece.

27. (previously presented) The method of claim 23, wherein the electronic control controls the second drive and advancement of the forming tools according to preselected settings.

28. (previously presented) The method according to claim 27, wherein the electronic control controls axial advancement of the workpiece.

29. (previously presented) The method of claim 23, wherein the workpiece is cylindrical, and the rotating, the acting on, and the controlling generate helical toothings on the workpiece.

30. (previously presented) A device for the manufacture of workpieces having defined profiling, the device comprising:

an axially moveable workpiece holder;

at least one forming tool;

a first drive structured and arranged to intermittently rotate the workpiece holder about a longitudinal axis of a workpiece held in the workpiece holder;

a second drive, separate from the first drive, structured and arranged to rotate the at least one forming tool to act periodically on the workpiece; and

a third drive structured and arranged to axially advance the workpiece holder along the longitudinal axis,

wherein the first, second, and third drives are electronically coupled with one another and connected with an electronic control which controls intermittent rotational movement of the workpiece holder.